



DATASHEET

Vultr Bare Metal

The flexibility of cloud computing
with the raw power of physical servers.

[VULTR.COM](https://vultr.com)

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High-performance single-tenant dedicated servers powered by AMD and NVIDIA GPUs, and high-performance CPUs from AMD and Intel.

Vultr Bare Metal merges the raw power of dedicated servers with the flexibility and scalability of Vultr's global cloud infrastructure. Bare Metal offers high-performance, single-tenant dedicated servers with AMD and NVIDIA GPUs and top-tier CPUs from AMD and Intel, ensuring businesses maintain operational efficiency and technological competitiveness.

Why it's important right now

As enterprises grapple with the complexities of managing large-scale applications, escalating data security concerns, and stringent regulatory compliance standards, the need for high-performance and customizable infrastructure has never been more pronounced. Vultr Bare Metal addresses this urgency by combining the raw power of dedicated servers with the scalability and flexibility of Vultr's global cloud infrastructure. It offers enterprises the capability to handle demanding workloads efficiently and reliably while maintaining straightforward pricing, making it an indispensable solution for businesses navigating modern data-intensive environments.

More power and control at scale

High-performance computing

Vultr Bare Metal offers dedicated physical servers tailored for exclusive use, providing users with unrivaled access to potent hardware configurations. This unique solution ensures direct access to server hardware, granting maximum performance to meet the specific needs of users.

Full control and customization

Get full control over server configurations and customize your environment to meet specific operational requirements, ensuring a secure and optimized server environment while offloading the burden of managing infrastructure and software maintenance.

Scalable infrastructure

Easily adapt your infrastructure to meet the growing demands of your business. Flexible server configurations coupled with the ease of scaling resources up or down ensure you can respond swiftly to evolving operational needs.

Meets compliance standards

Vultr Bare Metal is ideal for companies seeking secure and dedicated infrastructure. The direct access to server hardware allows for customized security measures, and the flexibility to tailor configurations at the hardware level ensures compliance with specific mandates.

Compatible with Vultr Cloud Storage

Vultr Bare Metal can connect directly to Vultr Object Storage. Through Vultr Storage Gateways, bare metal servers can access Vultr Block Storage and Vultr File System storage, providing a full suite of storage solutions for various use cases.

High-performance applications

Vultr Bare Metal excels in running resource-intensive applications, including AI training and inference, scientific research and simulation, and real-time analytics by offering dedicated physical resources. This guarantees optimal performance, ensuring the provision of robust computational resources essential for secure data processing. In addition, bare metal servers significantly reduce latency without the virtualization layer, which is crucial for real-time analytics, high-frequency trading, and gaming applications.

Mission-critical workloads

Vultr Bare Metal proves indispensable in ensuring maximum uptime and performance for essential workloads like mission-critical cloud-native applications, AI models, and HPC workloads. The dedicated hardware minimizes the risk of resource contention, offering unparalleled reliability for mission-critical tasks.

Machine learning and AI

Vultr Bare Metal is ideal for training machine learning models and conducting AI research that demands high computational power. In this use case, Bare Metal offers the essential processing power and GPU support required by data scientists to perform intricate computations.

Key benefits

Dedicated resources

Unlike shared cloud environments, bare metal servers provide users with dedicated physical hardware. This means there are no “noisy neighbors” with which to share resources, leading to more consistent and predictable performance.

Security and compliance

Vultr Bare Metal servers offer enhanced protection with customizable firewalls, DDoS mitigation, and integration with security tools like Fail2Ban and Cloudflare, ensuring secure data transmission through SSL/TLS encryption. These features, combined with strong access controls and regular security updates, provide a secure and compliant environment for critical infrastructure.

Scalability and high availability

Vultr Bare Metal is designed for scalability and high availability. Whether you’re managing increasing message volumes or diverse data formats, scale resources quickly and easily to match your platform load. Experience reliability and optimal performance to meet the demands of your applications, ensuring a consistently exceptional user experience.

Reliable and cost-effective infrastructure

Choose Vultr Bare Metal for a reliable and cost-effective infrastructure solution. Our dedicated, single-tenant physical hardware provides an incomparably reliable and low-latency environment. Benefit from a significant reduction in infrastructure costs without compromising on service quality. Experience a level of cost-effectiveness that often surpasses other hyperscale cloud providers.

Flexibility and support for modern architectures

Empower your applications with Vultr Bare Metal, which is tailored to support modern architectures like microservices. Vultr Bare Metal is the infrastructure support your business needs for improved service quality, customer satisfaction, and operational efficiency.

Custom infrastructure

For organizations striving to shape tailored infrastructure that meets distinct performance, security, and compliance standards, Vultr Bare Metal emerges as the prime solution. The inherent strength of Bare Metal lies in its ability to facilitate customization with direct access to the hardware, empowering businesses to construct an environment that perfectly aligns with their specific requirements.

Learn more about
Vultr Bare Metal

Contact us at vultr.com to get started.



Cloud GPU



AI Training and Inference

AMD Instinct™ MI325X Accelerator
AMD Instinct™ MI300X Accelerator
NVIDIA HGX B200
NVIDIA GH200 Grace Hopper™ Superchip
NVIDIA HGX H100
NVIDIA HGX A100 and A100 PCIe GPU
NVIDIA L40S GPU
NVIDIA A40 GPU
NVIDIA A16 GPU



AI and Visual Computing

8x NVIDIA L40S 48 GB

Cloud CPU

Intel E3-1270

Intel E3-2286G

Intel E3-2288G

Intel E3-2388G

AMD EPYC 4245P

AMD EPYC 4345P

AMD EPYC 7443P

AMD EPYC 9254

AMD EPYC 9354P

2 x AMD EPYC 9354

2 x AMD EPYC 7713